

HYDREXX®

PROFESSIONAL NITROGEN STABILIZER

HYDREXX® nitrogen stabilizer is a dry nitrogen fertilizer additive for dissolved urea, UAN solution and ammonium sulfate. HYDREXX® stabilizer contains N-(n-butyl) thiophosphoric triamide, a urease inhibitor which reduces nitrogen loss by ammonia volatilization from synthetic or organic urea, and dicyandiamide, an organic nitrogen material which keeps nitrogen in the ammonium form longer. Together these components allow more complete nitrogen utilization in turfgrass applications. This product may only be used with fertilizers that are for turf & ornamental use. It is not recommended for use as a fertilizer substitute.

CONTAINS

Active ingredients 90%: Dicyandiamide (461-58-5), Non hazardous component (Proprietary), N-(n-butyl)-thiophosphoric (94317-64-3)

Inactive ingredients 10%: UF Polymer, N-methyl-2-pyrrolidone (872-50-4), Non hazardous dye

DANGER



HAZARD STATEMENTS

Causes serious eye damage. May damage fertility or the unborn child. May form combustible dust concentrations in air.

PRECAUTIONARY STATEMENTS

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call poison center/doctor.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT.

50 LBS. (22.68 kg)

BEFORE USING THIS PRODUCT, PLEASE READ THE TERMS AND CONDITIONS OF USE AND TERMS AND CONDITIONS OF THE LIMITED WARRANTY, WARRANTY LIMITATION, AND INHERENT RISKS OF USE/LIMITATION OF LIABILITY/LIMITATION OF REMEDIES CONTAINED IN THIS LABEL. IF YOU ARE UNWILLING OR UNABLE TO BE BOUND BY THE TERMS AND CONDITIONS OF USE, OR SUCH OTHER TERMS AND CONDITIONS, YOU SHOULD NOT USE, ALTER OR, IF APPLICABLE, OPEN THE PRODUCT AND SHOULD RETURN IT TO THE SELLER UNUSED, UNALTERED AND, IF APPLICABLE, IN ITS UNOPENED ORIGINAL PACKAGING, WITH A VALID PROOF OF PURCHASE FOR A REFUND OF THE PURCHASE PRICE.

DIRECTIONS FOR USE

WARNING: Read the entire label before use. Use only according to label directions. Before buying or using this product, read the "Warranty Disclaimer" and "Inherent Risks of Use and Limitations of Liability" at the end of the label. If terms are unacceptable, return at once unopened to place of purchase. Always wear proper personal protection (recommend long sleeves and long pants, goggles, and ANSELL EDMONT NEOX Neoprene gloves Number 9-912 or equivalent when handling the product.)

GENERAL USE PRECAUTIONS

Observe all precautions on label and read safety data sheet before use. There are no reentry restrictions unless used with pesticides or fertilizer materials that may have such requirements. Do not apply directly to water. Do not contaminate waterways and sewers during cleaning of equipment or disposal of wastes. Always adhere to applicable provisions of federal, state, provincial and local laws and regulations.

Avoid inhalation of dust and contact with skin and eyes. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust

deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation.

Urea which is a component in UAN may be toxic to ruminants when ingested. Keep ruminants off treated areas until after a ¾ inch rainfall.

MIXING AND LOADING DIRECTIONS

For urea, fill spray tank one-half to two-thirds full with water. For best results, dissolve urea first in a smaller external tank using warm water, then add this solution to the spray tank. Alternatively, add granular urea directly to spray tank and agitate to dissolve. Add the entire desired amount of urea. After urea dissolves, and with agitation still on, add the appropriate amount of HYDREXX® stabilizer, mix well, then add more water until tank is full.

For UAN, fill tank half full with UAN solution. With agitation on, add the appropriate amount of HYDREXX® stabilizer for the desired concentration in the full volume, mix well, then add the remainder of the UAN solution to fill tank.

Compatibility

Once this product is added into urea or UAN solution, it should be compatible with most herbicides. Test compatibility with a jar test or similar method before adding other products to the mixture. After a successful test, add other pesticides or surfactants according to the additional product's label.

RATES OF HYDREXX® NITROGEN STABILIZER FOR TURF APPLICATION FOR UREA SOLUTION

Urea

Rate	Ounces per Pound	Ounces per 50 Pounds	Pounds per Ton	Kg per 20 kg	Kg per 25 kg	Kg per Tonne	Approximated * Color Response
Standard	0.20	10	25	0.25	0.32	12.5	6-8 Weeks
Premium	0.40	20	50	0.50	0.63	25	8-12 Weeks

UAN 32%

Rate	Ounces per Gallon	Pounds per Ton	G per Liter	Kg per Tonne	Approximated * Color Response
Standard	0.72	8.25	5.40	4.125	6-8 Weeks
Premium	1.44	16.50	10.80	8.25	8-12 Weeks

Ammonium Sulfate

Rate	Ounces per Pound	Ounces per 50 Pounds	Pounds per Ton	Kg per 20 kg	Kg per 25 kg	Kg per Tonne	Approximated * Color Response
Standard	0.10	5	12.5	0.13	0.16	6.25	6-8 Weeks
Premium	0.20	10	25	0.25	0.32	12.5	8-12 Weeks

*These estimates are based on an application rate of 1 lb. Nitrogen/1000 square feet (49 kg N/Ha). The response length may be shorter in sandier soils, and longer in heavier soils.

HYDREXX® stabilizer can be added to urea solution or UAN solution and stored for up to 12 weeks before application without affecting performance. In urea solution and UAN solution it is compatible with most herbicides. However, compatibility testing should take place prior to use.

TERMS AND CONDITIONS FOR USE

If the terms of the following Warranty Disclaimer and Inherent Risks of Use and Limitation of Liability are not acceptable, return unopened package immediately to place of purchase for a refund of the purchase price paid. Otherwise, use by the buyer of this product or any other user constitutes acceptance of the terms under Warranty Disclaimer and Inherent Risks of Use and Limitation of Liability.

HANDLING AND STORAGE

Avoid exposure – obtain special instructions before use. Wear appropriate personal protective equipment. Avoid generation and spreading of dust. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Explosion-proof general and local exhaust ventilation. Avoid inhalation of dust and contact with eyes. Avoid prolonged exposure. Handle an open container with care. Wash before eating, drinking and/or smoking. Wash thoroughly after handling. Use care in handling/storage. Store in tightly closed original container in well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store in accordance with local/regional/national/international regulations. Keep out of reach of children. Long-term storage at temperatures above 38 °C (100 °F) and long-term storage of open containers will cause the product to degrade. As the product degrades, it can release harmful gases. Store below 38 °C (100 °F) and use opened containers within 30 days. Always use oldest stock first.

Dispose of containers according to federal, state, provincial, and local regulations. Offer for recycling or reconditioning, dispose in a landfill or by other procedures approved by local and state authorities.

WARRANTY DISCLAIMER

As its exclusive warranty, Koch Agronomic Services, LLC ("KAS") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes expressly stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. KAS makes no guarantee that use of this product will yield any specific results. TO THE EXTENT PERMITTED BY APPLICABLE LAW, KAS HEREBY DISCLAIMS AND DOES NOT MAKE ANY OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE AND LIMITATION OF LIABILITY

It is impossible to eliminate all risks associated with use of this product. Crop damage or personal injury, lack of performance, or other unintended consequences may

result because of such factors as use of product contrary to label instructions (including conditions noted on the label, unfavorable temperatures, soil conditions etc.), abnormal conditions (such as excess rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of KAS. All such risks are expressly assumed by the buyer of this product. The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at KAS's election, one of the following:

- 1) Refund of purchase price paid by buyer or,
- 2) Replacement of amount of product used.

KAS shall not be liable for losses or damages resulting from handling or use of this product unless KAS is promptly notified of such loss or damage in writing. In no case shall KAS be liable for consequential, incidental, special or exemplary damages or losses. The terms of the Warranty Disclaimer above and this Inherent Risks of Use and Limitation of Liability cannot be varied by any written or verbal statements or agreements. No employee, distributor or sales agent of KAS, or any other seller or user is authorized to vary or exceed the terms of the Warranty Disclaimer or this Inherent Risks of Use and Limitation of Liability in any manner.

FIRST-AID MEASURES

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact: Immediately flush skin with plenty of water. Get medical attention if irritation develops and persists.

Inhalation: Move person to fresh air. If the affected person is not breathing, apply artificial respiration. Get medical attention immediately.

Ingestion: Rinse mouth thoroughly. Drink 1 or 2 glasses of water. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention.

FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog. Water spray. Carbon dioxide (CO2). Foam.

Extinguishing media which must not be used for safety reasons: Do not use water jet as an extinguisher, as this will spread the fire.

HMIS® ratings

Health: 2*

Flammability: 1

Physical hazard: 0

* Chronic Hazard



For Chemical Emergency
Call CHEMTREC day or night
USA/Canada - 800.424.9300
Mexico - 1.800.681.9531
Outside USA/Canada - 1.703.527.3887
(collect calls accepted)

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Patent Pending



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